



Cpuc energy storage proceedings

How will the CPUC's directive impact California's energy supply strategy?

By 2037, the CPUC's directive could lead to the completion of this procurement strategy, if bid costs are found to be reasonable and contracts are approved, enhancing California's grid storage by up to 2 GW and increasing energy production by up to 8.6 GW.

Does energy storage meet local and system capacity requirements?

R. 13-12-010: This rulemaking determined that energy storage can meet local and system capacity requirements. R. 14-08-013: This rulemaking determined that energy storage may be included as a distribution upgrade deferral asset. R. 14-10-010: This rulemaking determined that energy storage's ramping attributes can provide flexible capacity.

How does the CPUC use the solve capacity expansion model?

The CPUC uses the RESOLVE capacity expansion model as a core analytical tool to develop a Reference System Portfolio.

What does the CPUC do?

The CPUC regulates services and utilities, protects consumers, safeguards the environment, and assures Californians access to safe and reliable utility infrastructure and services. Visit www.cpuc.ca.gov for more information. News Release

Do battery storage resources provide marginal ELCC?

This study evaluates the marginal ELCC provided by battery storage resources in the context of the future 2022 and 2030 CAISO systems with significant penetrations of solar resources--a total of nearly 50 GW in 2030, including both utility-scale and behind-the-meter resources.

Do energy storage resources provide ancillary services without discharging energy?

Since assumptions used in SERVIM simulations by the CPUC include operating reserves of 4.5% of hourly gross load to be protected even during firm load shed events, a commensurate quantity of energy storage resources are able to serve ancillary services and provide full reliability during emergency events without discharging energy.

Visit the Docket Card (R.20-11-003) to view proceeding documents and make a comment on the proceeding. For information on what occurs when the California Independent System Operator (CAISO) calls a Flex Alert ... CPUC Approves Energy Storage Contracts for SCE (CPUC Press Release) April 21, 2022: CPUC Takes Actions To Promote Energy ...

DNV KEMA Modeling for CPUC Energy Storage Proceeding Energy Storage Panel, EAC Meeting June 6, 2013 . Common Pitfalls Using historical prices - Prices are likely to change due to rule modifications, changes

in regulation supply resources over time, changes in ...

Where we are today: Breaking Clean Energy Records o In 2020, California's generation mix was approx. 60 - 65% carbon - free o Since July 2020, more than 3,800 MW nameplate (2,000 MW NQC) of new renewables and storage have come online.

An Order Instituting Rulemaking to Modernize the Electric Grid for A High Distributed Energy Resources (DER) Future issued on July 2, 2021 and is available [here](#). The Order Instituting Rulemaking presents a preliminary scope and schedule for proceeding R.21-06-017 (the "High DER" proceeding). The new proceeding is the successor to the Distribution ...

California Public Utilities Commission February 18, 2022 Energy Division Study for Proceeding R.21-10-002 Loss of Load Expectation and Effective Load Carrying Capability Study Results for 2024 ... about ELCC values for storage, hybrid, solar and wind in 2024 and beyond.

In response to increased State goals and targets to reduce greenhouse gas (GHG) emissions, meet air quality standards, and achieve a carbon free grid, the California Public Utilities Commission (CPUC), with authorization from the California Legislature, continues to evaluate options to achieve these goals and targets through several means including through ...

California Public Utilities Commission ... 415.703.1366, news@cpuc.ca.gov Docket #: Res E-5205 CPUC APPROVES ENERGY STORAGE CONTRACTS FOR SCE efforts SAN FRANCISCO, May 19, 2022 - The California Public Utilities Commission (CPUC), in ongoing ... proceeding. CPUC President Alice Reynolds noted, "These energy storage contracts get us ...

California Public Utilities Commission California Public Utilities Commission Overview Commissioner Darcie L. Houck March 2, 2023 ... o Encourage and facilitate tribal government participation in CPUC proceedings ... and energy storage. 4. California Public Utilities Commission HOW ARE PROCEEDINGS INITIATED? R. ulemaking. A.

Electric Rule 21 (Rule 21) is a tariff that describes the interconnection, operating and metering requirements for generation facilities to be connected to an investor-owned utility's (IOUs) distribution system and transmission system over which the California Public Utilities Commission (Commission) has jurisdiction.

The California Public Utilities Commission (CPUC), in ongoing efforts to ensure summer energy reliability and support a healthy environment, today approved an energy storage contract for Southern California Edison (SCE) to come online by August 1, 2022. ... In November 2021, the CPUC approved an 80 MW energy storage contract submitted by SDG& E ...

Energy Storage Safety Inspection Guidelines. In 2016, a technical working group comprised of utility and industry representatives worked with the Safety & Enforcement Division's Risk Assessment and safety

Advisory (RASA) section to develop a set of guidelines for documentation and safe practices at Energy Storage Systems (ESS) co-located at electric utility substations, ...

The new tariffs contain improved prices signals that encourage customers to adopt battery storage and export solar energy in the evening hours when the grid is most stressed ...

The problem wasn't limited to the interaction between Picker's DRP proceeding and Florio's IDER initiative. There are several other DER proceedings taking place in parallel on energy storage ...

CPUC's Energy Storage Mandate: Hydrogen Energy Storage Workshop May 15, 2014 ... o Proceeding relied on collaboration among stakeholders: IOUs, Storage Industry, ORA and NGOs 4 . ix CPUC Storage Decision Highlights ... California Public Utilities Commission, at the Hydrogen Energy Storage for Grid and Transportation Services Workshop held ...

The CPUC adopted a Resource Adequacy (RA) policy framework (Public Utilities Code section 380) in 2004 to in order to ensure the reliability of electric service in California. The CPUC established RA obligations applicable to all Load Serving Entities (LSEs) within the CPUC's jurisdiction, including investor-owned utilities (IOUs), energy ...

The CPUC approved five energy storage contracts for a total of 497 megawatts (MW) of capacity, which are expected to provide 462 MW of capacity towards SCE's portion of the 11,500 MW of ...

This report discusses how marginal capacity contribution assumptions were derived for energy storage. The objective of this study is to produce Effective Load Carrying Capability (ELCC)¹ ...

CPUC Energy Storage Use Case Analysis [Bulk Storage] [Pumped Hydroelectricity] Version 7 1 | P a g e SB GT& S 0185631. R.10-12-007 Contents 1. Overview Section 3 2. Use Case Description 2.1 Objectives 2.2 Actors 2.3 Regulatory Proceedings and Rules that Govern Procurement Policies and Markets for This Use 2.4 Location 2.5 ...

The CPUC has two open proceedings addressing transportation electrification issues: Rulemaking (R.)23-12-008, focused on Transportation Electrification Policy and Infrastructure, and R.24-01-018, focused on Establishing Energization Timelines (including those related to ...

This proceeding revisited California's net energy metering (NEM) program, which is described on the Customer-Sited Renewable Energy Generation webpage, the Rulemaking R.14-07-002 webpage, and the NEM 2.0 evaluation webpage. The proceeding was initiated because the Commission committed in Decision (D.) 16-01-044 to later review the NEM successor (or NEM ...

California Public Utilities Commission Distribution Energy Resources (DER) Action Plan 2.0 Workshop Agenda o DER Action Plan Background & Overview o Each track will consist of a 15 min. Presentation and

45 min. discussion o Vision and Action Elements Discussion #1 o Track One: Load Flexibility & Rates o Led by Paul Philips

CPUC's Resource Adequacy proceeding will eventually have to confront as deployment of energy storage resources continues--namely, the declining marginal ELCC of energy storage at increasing levels of penetration--so while the specific numeric analysis may not be applicable in

o Energy Storage and Distributed Energy Resources, o Energy Storage Enhancements, ... CPUC High DER Proceeding tracks 1 and 2: 1. Distribution planning process improvement 2. Future Grid Study, including review of distribution system ... California Public Utilities Commission 20 Listing of Reports, Staff Proposals, and Workshops 2023

November 15, 2017: CPUC hosts a workshop on the results of the 2016 Energy Storage Impact Evaluation. For a zip file containing the presentations made at the workshop, please click here. October 13, 2017: CPUC issues Resolution E-4887 updating the definition of "developer" for the purpose of the SGIP developer cap. October 13, 2017: CPUC issues ...

In a new decision in the CPUC's Integrated Resource Planning proceeding, the CPUC adopted a plan to advance clean energy production while prioritizing affordability. ... These investments are crucial for integrating more than 56 GW of new generation and storage into California's evolving energy landscape by 2035. ... About the California ...

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